ABSTRACT

A system for utilizing waste heat to provide power to an electronic device in a data center. The system includes at least one data center component configured to generate heat energy during operation thereof and a converter for receiving the heat energy generated by the at least one data center component. The converter is configured to convert the heat energy to electrical energy. The system also includes a power supply operable to be recharged through receipt of the electrical energy converted by the converter, and where the power supply is configured to deliver the electrical energy to the electronic device.